

WHAT IS CLAIMED IS:

1 1. A safety switch for a water dispenser having a water dispensing tube with an
2 inlet, an outlet in communication with the inlet and a channel in communication with
3 both the inlet and the outlet, the safety switch comprising:

4 a sealing ring movably received in the channel to alternatively block
5 communication between the inlet and the outlet;

6 a guiding rod having a first distal end securely received in the sealing ring and a
7 first spring compressibly mounted around an outer periphery of the guiding rod;

8 a handle adapted to be pivotal relative to the water dispensing tube and having a
9 first distal end securely connected to a second distal end of the guiding rod;

10 a support having a first distal end adapted to be securely engaged with an outer
11 periphery defining the channel and a second distal end provided with a receiving space;
12 and

13 a sliding block movably sandwiched between the support and the handle so that
14 movement of the sliding block relative to the support allows the pivotal movement of
15 the handle, which initiates an upward movement of the guiding rod as well as the sealing
16 ring such that the communication between the inlet and the outlet is resumed.

17 2. The safety switch as claimed in claim 1, wherein a second spring is received
18 between the sliding block and the handle to provide a recovery force to the sliding block.

19 3. The safety switch as claimed in claim 2, wherein the handle has a recessed
20 area defined in a bottom face of the handle and a first protrusion formed on a side face of
21 the recessed area and the sliding block has a cutout defined in a bottom face of the
22 sliding block and a second protrusion formed on a side face defining the cutout to
23 correspond to the first protrusion of the handle such that the second spring is received

1 between the first protrusion and the second protrusion.

2 4. The safety switch as claimed in claim 1, wherein the sliding block has a bent
3 formed on a first distal end of the sliding block to be received in the receiving space of
4 the support so that when the bent is received in the receiving space, the handle is unable
5 to be pivoted relative to the support and when the bent is away from the receiving space,
6 the handle is able to be pivoted to initiate the upward movement of the guiding rod.

7 5. The safety switch as claimed in claim 3, wherein the sliding block has a bent
8 formed on a first distal end of the sliding block to be received in the receiving space of
9 the support so that when the bent is received in the receiving space, the handle is unable
10 to be pivoted relative to the support and when the bent is away from the receiving space,
11 the handle is able to be pivoted to initiate the upward movement of the guiding rod.

12 6. The safety switch as claimed in claim 1 further comprising a cap adapted to
13 be threadingly connected to the outer periphery defining the channel to secure the
14 engagement of the first distal end of the support with the outer periphery defining the
15 channel.

16 7. The safety switch as claimed in claim 3 further comprising a cap adapted to
17 be threadingly connected to the outer periphery defining the channel to secure the
18 engagement of the first distal end of the support with the outer periphery defining the
19 channel.

20 8. The safety switch as claimed in claim 5 further comprising a cap adapted to
21 be threadingly connected to the outer periphery defining the channel to secure the
22 engagement of the first distal end of the support with the outer periphery defining the
23 channel.